

CFL SAMPLE PLAN SHEET

Refer to the CADD manual Chapter 16 located on the CFL website for more information on drawing elements stored in COGO (including horizontal alignment and pay item elements):
http://www.cflhd.gov/cadd/CaddManDocs/Chapter16_x30.pdf

Refer to the CADD manual Chapter 19 located on the CFL website for more information on clipping plan/plan sheets:
http://www.cflhd.gov/cadd/CaddManDocs/Chapter19_x30.pdf

Make sure elements are placed with the proper symbology:
Use the GEOPAK D&C manager to draw elements where possible.
For manual drafting, use the FLH_Combined.dgnlib and select the appropriate level, using ByLevel symbology where possible.
Refer to the CADD manual Chapter 9 located on the CFL website for more information:
http://www.cflhd.gov/cadd/CaddManDocs/Chapter09_x30.pdf

	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
	ST	PROJECT NUMBER PROJECT NAME	C16	C34

Show proposed walls and guardrail in plan view with appropriate linestyles.

Show north arrow and appropriate scale.

Show proposed culverts in plan view with appropriate lengths left and right of centerline, skews, and end treatment symbols.

Show superelevation for each curve. See Question #4 on the following website for more information on storing and placing the e value under the curve data drawn by the D&C manager:
http://www.wfl.fhwa.dot.gov/design/cadd/geopak_2004/faqs.htm

Show both slope stake and clearing limits.
Use GEOPAK "Limits of Construction" to get slope stake limits. (Refer to WFL's The Complete Knuckleheads Guide at http://www.wfl.fhwa.dot.gov/geopak/idiot2004/ss_lim.htm)
Use the 3C "Draw Clearing Limits in Plan View" in the D&C Manager.

Show r/w lines.

Curve = SEG1-16
PI 17+448.805
 $\Delta = 11^\circ 16' 19''$ (L)
R = 160.000 m
T = 15.790 m
L = 31.478 m
e = NC

Curve = SEG1-17
PI 17+520.609
 $\Delta = 6^\circ 34' 50''$ (RT)
R = 320.000 m
T = 18.397 m
L = 36.753 m
e = NC

Curve = SEGI-18
PI 17+582.883
 $\Delta = 5^\circ 53' 04''$ (LT)
R = 320.000 m
T = 16.447 m
L = 32.864 m
e = NC

Curve = SEG1-19
PI 17+713.064
 $\Delta = 2^\circ 38' 38''$ (LT)
R = 800.000 m
T = 18.461 m
L = 36.916 m
e = NC

Curve = SEG1-20
PI 17+820.832
 $\Delta = 22^\circ 00' 02''$ (LT)
R = 100.000 m
T = 19.559 m
L = 38.631 m
e = 0.036

Use text style 'Metric Italic, Standard Text' found in the CFLHD text style library cfl_metric_text_styles.dgnlib.
Refer to the CADD manual Chapter 5 located on the CFL website for more information:
http://www.cflhd.gov/cadd/CaddManDocs/Chapter05_x30.pdf

This is an example of a commonly used CFL custom linestyle. For CFL designers, the custom linestyle resource files are automatically read by MicroStation (providing the machine is properly configured.) For consultants, CFLHD linestyle resource files are available through the V8_Resource.zip download located on the CFL website:
<http://www.cflhd.gov/cadd/standard-files/micro8-geopak04-x30.cfm>
 Refer to the CADD manual Chapter 6 for more information on linestyles:
http://www.cflhd.gov/cadd/CaddManDocs/Chapter06_x30.pdf

LIST
2W4-004A
2W4-004
2W4-005
2W4-006

Refer to the CADD manual Chapter 3 located on the CFL website for more information on file naming conventions:
http://www.cflhd.gov/cadd/CaddManDocs/Chapter03_x30.pdf

Refer to the CADD Manual Chapter 8 located on the CFL website for more information on cell libraries:
http://www.cflhd.gov/cadd/CaddManDocs/Chapter08_x30.pdf

Label the profile grade.

Profile grade

Label top of wal

Show grid elevations.

Guardrail, Lt.
MSE Wall, Lt. (See MSE Wall Layout)
Riprap Lined Ditch, Rt.

Use location bars show the following:
Guardrail locations and end treatments, retaining walls, curbs, paved ditch, underdrain, subexcavation, etc

Show culvert symbol.
Cells can be found in
Hyd_X30.cel.
Use appropriate size
cell for each culvert.
Flowline of culvert
symbol is at the
designed centerline
crossing elevation.

Show VPI station and elevation.

Show stopping sight distance
k value, and length of curve.

Label bottom of wall.

Approximate bottom of wall (typ.)

Existing ground

Label existing ground

SSD = 152 m
K = 317
40 m VC

Top of wall —

Profile grade

Existing ground

low grid elevations.

Text shows station, culvert diameter and length, number of barrels, end treatment, and permanent erosion protection.

5/3/2006

